



#4

SEQUENCE LISTING

<110> Bio-TRADE Gesellschaft fur Biodiagnostik, Auftragsforschung und Consulting mbH

<120> Test kit and method for quantitatively detecting genetically modified DNA in foodstuff by means of fluorescent-coupled PCR

<130> 101215-68

<140> 09/922,449

<141> 2001-08-03

<150> PCT/EP00/009835

<151> 2000-02-07

<150> DE 199 06 169.6

<151> 1999-02-08

<160> 25

<170> PatentIn version 3.0

<210> 1

<211> 240

<212> DNA

<213> Artificial

<220>

<223> Description of Artificial Sequence: Roundup soy gene (RRS gene)

<400> 1

gtcttcaaag caagtggatt gatgtgatat ctccactgac gtaagggatg acgcacaatc 60

ccactatcct tcgcaagacc cttoctctat ataaggaagt tcatttcatt tggagaggac 120

acgctgacaa gctgactcta gcagatcttt caagaatggc acaaattaac aacatggctc 180

aagggatata aacccttaat cccaattcca atttccataa accccaagtt cctaaatctt 240

<210> 2

<211> 24

<212> DNA

<213> Artificial

<220>

<223> Description of Artificial Sequence: probe

<400> 2

caagctgact ctagcagatc tttc 24

<210> 3

<211> 21

<212> DNA

<213> Artificial

<220>
 <223> Description of Artificial Sequence: primer

 <400> 3
 catttgaga ggacacgctg a 21

 <210> 4
 <211> 23
 <212> DNA
 <213> Artificial

 <220>
 <223> Description of Artificial Sequence: primer

 <400> 4
 gggtttgat cccttgagcc atg 23

 <210> 5
 <211> 24
 <212> DNA
 <213> Artificial

 <220>
 <223> Description of Artificial Sequence: probe

 <400> 5
 cttcaccttc tatgcccctg acac 24

 <210> 6
 <211> 22
 <212> DNA
 <213> Artificial

 <220>
 <223> Description of Artificial Sequence: primer

 <400> 6
 gccctctact ccacccccat cc 22

 <210> 7
 <211> 23
 <212> DNA
 <213> Artificial

 <220>
 <223> Description of Artificial Sequence: primer

 <400> 7
 gaaggcaagc ccattctgcaa gcc 23

 <210> 8

<211> 142
<212> DNA
<213> Artificial

<220>

<223> Description of Artificial Sequence: target IAC DNA for the RRS gen

<400> 8
catttggaga ggacacgctg aggacgttcg ccaattttcg cctcccacgt ctcaccgagc 60
gtggtgttta cgaagggttt acgttttccc gtatcccctt tcgttttcat ccagtctttc 120
atggctcaag ggatacaaac cc 142

<210> 9
<211> 21
<212> DNA
<213> Artificial

<220>

<223> Description of Artificial Sequence: probe

<400> 9
tcgcctccca cgtctcaccg a 21

<210> 10
<211> 150
<212> DNA
<213> Artificial

<220>

<223> Description of Artificial Sequence: reference IAC DNA for the RRS
gen

<400> 10
gccctctact ccacccccat ccggacgttc gccaattttc gcctcccacg tctcaccgag 60
cgtggtgttt acgaagggtt tacgttttcc cgtatcccct ttcgttttca tccagtcttt 120
gacaatcggc ttgcagatgg gcttgccttc 150

<210> 11
<211> 250
<212> DNA
<213> Artificial

<220>

<223> Description of Artificial Sequence: lectin gene

<400> 11
gggaaagtta caactcaata aggttgacga aaacggcacc ccaaaaccct cgtctcttgg 60
tcgcgccttc tactccaccc ccatccacat ttgggacaaa gaaaccggta gcgttgccag 120

cttcgcgcgt tctttcaact tcaccttcta tgcccttgac acaaaaaggc ttgcagatgg 180
 gcttgcccttc tttctcgac caattgacac taagccacaa acacatgcag gttatcttgg 240
 tcttttcaac 250

<210> 12
 <211> 21
 <212> DNA
 <213> Artificial

<220>
 <223> Description of Artificial Sequence: probe

<400> 12
 atgtccacca ggcccagcac g 21

<210> 13
 <211> 21
 <212> DNA
 <213> Artificial

<220>
 <223> Description of Artificial Sequence: primer

<400> 13
 cccatcgaca tcagcctgag c 21

<210> 14
 <211> 20
 <212> DNA
 <213> Artificial

<220>
 <223> Description of Artificial Sequence: primer

<400> 14
 caggaaggcg tcccactggc 20

<210> 15
 <211> 23
 <212> DNA
 <213> Artificial

<220>
 <223> Description of Artificial Sequence: probe

<400> 15
 ccacctcttc taccagtga acc 23

<210> 16
 <211> 21

<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: primer

<400> 16
cgctgtatca caagggtgg t 21

<210> 17
<211> 20
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: primer

<400> 17
agcggtaggt gcagccagtg 20

<210> 18
<211> 136
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: target IAC DNA for the Bt-176
maize gen

<400> 18
cccacgaca tcagcctgag cgttcgccaa ttttcgcctc ccacgtctca ccgagcgtgg 60
tgttttacgaa ggtttttacgt tttcccgat cccctttcgt tttcatccag tcttttgcca 120
gtgggacgcc ttctg 136

<210> 19
<211> 136
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: reference IAC DNA for the Bt-
176 maize gen

<400> 19
cgctgtatca caagggtgg tgttcgccaa ttttcgcctc ccacgtctca ccgagcgtgg 60
tgttttacgaa ggtttttacgt tttcccgat cccctttcgt tttcatccag tcttttcact 120
ggctgcacct accgt 136

<210> 20

gtggtgttta cgaaggtttt acgttttccc gtatcccctt tcgttttcat ccagtctttg 120
acaagctgac tctagcagat ctt 143

<210> 25
<211> 149
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: reference IAC DNA for the RRS
gen

<400> 25
cgttgccagc ttgccgctt cggacgttcg ccaattttcg cctcccacgt ctcaccgagc 60
gtggtgttta cgaaggtttt acgttttccc gtatcccctt tcgttttcat ccagtctttg 120
acaatcggtt tgcagatggg cttgccttc 149